

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 64-001206

(43)Date of publication of application : 05.01.1989

(51)Int.Cl.

H01C 13/02

H01C 7/00

H01C 7/04

(21)Application number : 62-157118

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(22)Date of filing : 23.06.1987

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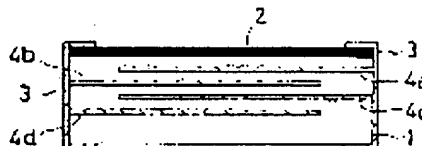
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(54) COMPOSITE ELECTRONIC COMPONENT

(57)Abstract:

PURPOSE: To manufacture a composite electronic component as one chip component and to simply connect in parallel by providing electrodes for connecting ends of both by integrally laminating a semiconductor element having positive resistance temperature coefficient with a resistor and connecting electrodes led from the element to both ends of the resistor.

CONSTITUTION: Semiconductor elements having inner electrodes 4 are, for example, press-bonded, and baked at 1300°C. Then, in order to form a fixed resistor 2, the upper surface of the uppermost semiconductor element is coated with resistance paste which mainly contains RuO₂, and seized. Inner electrodes 4 are completed by pressure pouring metal solution having a low melting point for obtaining an ohmic contact to a degassed porous layer to manufacture a positive temperature coefficient thermistor 1. An outer electrode 3 for electrically connecting the electrodes 4 exposed at both ends to the resistor 2 is provided at the thermistor 1 to obtain a composite electronic component.

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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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